

Purchase Order Receipt Listing

Thursday, May 18, 2017 3:12:00 PM

All amounts are calculated in domestic currency.

All Vendors PO ID PO36206 Receipt Dates from 5/10/2017 to 5/10/2017 All Line Item Types
All Item ID/GL/WOs All Rec. Employees All Currencies
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
Vendor ID \ Vendor Name											
PO36206	1		VC-MPT002	Metaux Solutions							
CAD	No		M304B0.250x0.500 f		5/19/2017	5/10/2017	124.2000	\$3.11	0.0000	0	\$386.39
			304 BAR .250 x .500 f		120.0000	PLOU01		\$386.39	0.0000	0	
			m137512								
	2		M4130NR0.375 37-Of		5/19/2017	5/10/2017	12.0000	\$10.91	0.0000	0	\$130.88
	No		4130 steel RD bar .375"		12.0000	PLOU01		\$130.88	0.0000	0	
			m137512								
	4		71401-45		5/19/2017	5/10/2017	1.0000	\$0.00	0.0000	0	\$0.00
	No		PROCUREMENT QUALITY CLAUSES		1.0000	PLOU01		\$0.00	0.0000	0	
			m137512								
										Total Received Quantity:	
										Total Qty to Inspect (PO U/M):	
										Total Reject Quantity:	
										Total Receipt Value:	
										Total Balance Due Quantity:	
										137.2000	
										0.0000	
										0.0000	
										\$517.27	
										0.0000	

METAUX SOLUTIONS INC
2625 BOUL JACQUES CARTIER EST
LONGUEUIL, QUEBEC
J4N 1L7 Tel.: 450 641-3330

Shipping Order

11/05/2017

Order : 125310
Reference : 36206
Ship : PICK UP / PICK UP

Customer : 6323336

DART AEROSPACE LTD
1270, ABERDEEN STREET
HAWKESBURY, ONTARIO
K6A 1K7

Ship To

Same

Tel.: 1 613 632-3336

Item No.	Description	Qty	Qty. Delivered	B/O Qty
	***** FACTURER E-MAIL ***** SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N			
SF14124HR	304 STAIN FLA .25" X .500" HR 10 X 12.42' HT;56900658	124.2	124.2	φ
MR384130	4130 .375 DIAM 1 X 12' HT;183052	12	12	φ

SHIP JOURNEY COLLECT
JP

2017-5-18

Shipping : _____

Package No : _____

Merchandise Received: _____

Ref. : _____

CERTIFICAT D'ANALYSE

DART AEROSPACE LTD
1270, ABERDEEN STREET
HAWKESBURY, ONTARIO
K6A 1K7
Canada

18 Novembre 2016

Description: 4130 CF NORM AQ BAR AMS 6348

3/8 RD X 12' R/L

HEAT: 183052

ITEM: 507780

Line Total: 12 LB

Specifications:

MIL S 6758 B

AMS 6370 N

ASTM A304 11

ASTM A29/A29M 12E1

EN 10204 3.1 04

ASTM E10 15

ASTM E381 06

AMS 2301 K

AMS S 6758 A

ASTM A322 13

ASTM A331 95 00

ASTM A255 10

ASTM E384 99

ASTM E709 14

AMS 6348 C

ASTM A108 13

ASTM A751 14

MIC 2016 12

ASTM E45 METHOD A 13

ASTM E112 13

CHEMICAL ANALYSIS

C	MN	SI	P	S	CR	NI	MO
0.29	0.46	0.25	0.012	0.003	0.85	0.13	0.16
CU	AL						
0.16	0.004						

RCPT: R877203

COUNTRY OF ORIGIN : SPAIN

MECHANICAL PROPERTIES

DESCRIPTION	YLD STR	ULT TEN	%ELONG	%RED IN AREA	HARDNESS BHN
					219

Description: 4130 CF NORM AQ BAR AMS 6348

3/8 RD X 12' R/L

Line Total: 12 LB

HEAT: 183052

ITEM: 507780

END-QUENCH HARDENABILITY (JOMINY - RC)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
51	51	50	49	48	45	43	41	38	37	34	33	33	32	31
16	18	20	22	24	26	28	30	32						
31	31	31	31	30	30	29	28	26						

GRAIN SIZE :7 -

CLEANLINESS

	A		B		C		D	
	THIN	THICK	THIN	THICK	THIN	THICK	THIN	THICK
	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
e45	0.5	0.0	1.0	0.0	0.0	0.0	0.5	0.0

STRAND CAST REDUCTION RATIO 305.89999 TO 1 VACUUM DEGASSED
MATERIAL IS FREE FROM MERCURY CONTAMINATION
NO WELD REPAIR PERFORMED ON MATERIAL
DECARB: OK
MACRO: OK
MICRO1: OK
AMS NO :0000
SEVERITY :0.1
FREQUENCY:0.1

ITEM: 1X 12'

REF: 34360

BOLLINGHAUS
STEELBollinghaus Steel, SA
DIN EN ISO 9001:2008
TÜV CERT No. 01 100 030458

Abnahmeprüfzeugnis/Mill Test Certificate/Certif. de Qualidade

EN 10204:2004 / 3.1

No.: / Nr.: / Nr.:

0p00119911

Unsere Innere Verweisung / Our Int. Ref/ N/ ref Int

5600031591 000040

Datum / Date / Data

26.09.2016

Normen / Standards / Normas

TYPE 304/UNS S30400 and TYPE 304/UNS S30403 acc. to ASTM A479/A479M-16, A276/A276M-16a, SAE-AMS-QQ-S 763D, AMS5639H, AMS5647J, ASME SA479/SA479M, ASME SA276, ASTM A182/A182M-16a F304/304L, A193/A193M-16 CL 1Gr.B8, ASTM A314-15, ASTM A320/A320M-15a, DOD-F24089/8, ASME SA182/SA182M, ASME SA 193/SA193M, ASME SA320 CL 1Gr.B8, ASTM A262-15 Practice E, grain size as per ASTM E112, NACE MR 0175, Mercury free statement, not weld repair statement, contents of N, Co, Mo and Cu, in hot rolled, solution annealed, pickled, straightened execution as per ASTM A484/A484M-16.

Kunde / Customer / Cliente

Endgültiger Kunde / Final Customer / Cliente Final

Bestell Nr./Order Nr./Enc.Nr. C105024

Bestell Nr./Order Nr./Enc.Nr. C105024.01

Produktgruppe / Product Group / Grupo Produto

Gewicht / Weight / Peso

Bunde / Bundle / Atados

AISI 304/L FLAT 1/4 X 1/2"

1.059 lb

01

Werkstoff-Nr.
Material no.
Qualidade

1.4307

Werkstoff-Normbezeichnung / Material standard grade / Norma do material

X 2 CrNi 18-9

Beschreibung / Description / Descrição

Stainless steel flat bars, hot rolled, solution annealed, straightened, pickled.
US DRAR 252.225-7009: MELT SOURCE: United Kingdom / MFG: Portugal.

Stromzahl Nr.
Cast nr. / Fundo nr.

Chemische Analyse in % / Chemical composition in % / Análise química em %

56000658	C	0.030	Si	0.228	Mn	1.830	P	0.030	S	0.026	Cr	18.100	Ni	8.100
EAF-AOD	Mo	0.430	Co	0.205	Cu	0.298	N	0.084	Ti	0.003	Nb	0.021	Al	0.006

Prob Nr. Test no. Amostra no.	ASTM E399		ASTM A370				
	Kerbschlagarbeit Impact Test Resiliência (Charpy V)	Streckgrenze Yield point Tensão limite Rp 0,2 %	Dehngrenze 1% point Limite de extensão Rp 1,0 %	Zugfestigkeit Tensile strength Tensão de rotura Rm	Dehnung Elongation Alongamento A5	40	Einschnürung Reduction of area Coef. Estrição Z
	[J]	[Ksi]	[Ksi]	[Ksi]	[%]	[%]	[%]
4082619.01.01		47.1	54.5	93.5	56.1	59.3	72.9

Visuelle Kontrolle Visual inspection Inspeção visual	<input checked="" type="checkbox"/> OK	ASTM E10 Härte Hardness Dureza 190 [HB]	ASTM A262 Practice E Korrosionsbeständigkeit IC Test Corrosão Intermetálica <input checked="" type="checkbox"/> OK	Wärmebehandlung Heat treatment Tratamento térmico Annealed Quenched 1900 °F (1050 °C) (water quenched)
ASTM A404 Maßkontrolle Dimensional inspection Inspeção dimensional	<input checked="" type="checkbox"/> OK	ASTM E112 Korngröße Grain size Tamanho de grão 9	Werkstoffverständiger Quality Control Representative Inspector da Qualidade N 305 87 Nuno Silva (N. NS)	
Verwechslungsprüfung Test of identity Teste de identificação	<input checked="" type="checkbox"/> OK	Makroskopische Untersuchung Macrographic test Material free from segregation defects. <input checked="" type="checkbox"/> OK		

Bemerkungen / Remarks / Observações

Country of origin: Portugal. No weld repair done.
Material is free of mercury and radiation contamination.

Hiermit bestätigen wir, dass das Material der oben genannten
Spezifikation entspricht.

We confirm that this material meets the specification according
the mentioned standards.

Confirmamos que este material respeita as especificações
de acordo com as normas referidas.

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304R0.250K.500

PO / BATCH NO.: 0036006/M137512

DATE: MAY 19 2017

MATERIAL CERT REC'D: yes

THICKNESS ORDERED: .250

QUANTITY RECEIVED: 124'

THICKNESS RECEIVED: .250

QUANTITY INSPECTED: 124'

SHEET SIZE ORDERED: N/A

QUANTITY REJECTED: 0

SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y (N)	
CORRECT FINISH	(Y) N	
CORROSION	Y (N)	
CORRECT GRAIN DIRECTION	(Y) N	
CORRECT MATERIAL PER M-DRAWING	(Y) N	Astm A276
CORRECT THICKNESS	(Y) N	
PHOTO REQUIRED	Y (N)	
CORRECT REF # TO LINK CERT	(Y) N	HT # 56900658
CORRECT MATERIAL IDENTIFICATION	(Y) N	
CORRECT M# ON THE MATERIAL	(Y) N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D	
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>CB</u>	SIGNED OFF BY: _____
DATE: <u>MAY 19 2017</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M4130 NRO.375
 DATE: MAY 19 2017

PO / BATCH NO.: PO36200 M137512

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 12'
 QUANTITY INSPECTED: 12'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .375
 THICKNESS RECEIVED: .370
 SHEET SIZE ORDERED: _____
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT FINISH	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORROSION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT GRAIN DIRECTION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT MATERIAL PER M-DRAWING	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	AMS 6348
CORRECT THICKNESS	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT REF # TO LINK CERT	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	HT # 183052
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT M# ON THE MATERIAL	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D	
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>CB</u> DATE: <u>MAY 19 2017</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO36206**

Purchase Order Date 5/5/2017 10:58:05 AM
PO Print Date 5/5/2017

Page Number 1 of 2

Order From :

VC-MET002

METAUX SOLUTIONS
2625 BOUL JACQUES-CARTIER EST
LONGUEUIL, QC J4N 1L7
CA

Ship To : DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

E-MAILED
MAY 05 2017

Contact Name

Vendor Phone 800 558 8858

Ship To Contact

Ship To Phone

Ship Via: Journey Freight collect

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	M304B0.250x0.500	304 BAR .250 x .500	5/10/2017 Yes 5/10/2017		120.00 f 124.2	\$4.25	\$510.00
MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS AS PER ASTM A276 OR ASTM A240							
NOTE: AISI 303 NOT ACCEPTABLE							
Line Total:							\$510.00
2	M4130NR0.375	4130 steel RD bar .375"	5/10/2017 Yes 5/10/2017		12.00 f	\$14.90	\$178.80
MATERIAL: AS PER AISI 4130N ROUND BAR PER MIL-S-6758 OR AMS 6348/6370/6528							
Line Total:							\$178.80

PO Instructions: BID 22826

Note:

5/5/2017



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO36206

Purchase Order Date 5/5/2017 10:58:05 AM

PO Print Date 5/5/2017

Page Number 2 of 2

Order From :
METAUX SOLUTIONS
2625 BOUL JACQUES-CARTIER EST
LONGUEUIL, QC J4N 1L7
CA

VC-MET002

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 800 558 8858

Ship To Contact

Ship To Phone

Ship Via: Journey Freight collect

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms Net 30

Currency CAD

FOB Destination-Collect

4	71401-45	PROCUREMENT QUALITY CLAUSES	5/10/2017	1.00	\$0.00	\$0.00
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No

5/10/2017

Procurement Quality Clauses

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification (as applicable)

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality documents

5217-518

Line Total: \$0.00

PO Total: \$688.80

PO Instructions: BID 22826

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr: 1

Change Date: 5/5/2017